

Customer Name: Theraplant, LLC
Customer Address: 856 Echo Lake Road
Watertown, CT 06795
Phone Number: 860-417-6481

Nosbrid
1/5 = 1/10/23

Results issued on: 1/16/2023 COA No.: 84011623-A

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-020	1843-1	Quality Control Analysis	see table below
	1843-2		
	1843-2	Active Ingredient Analysis	ASL-SOP-300
	1843-2	Terpene Analysis	ASL-SOP-301

Quality Control Analysis and Results

Test	Test Conducted	Reference Method	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	Total Yeast and Mold Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	<i>STE.coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>E. coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Salmonella</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>L. monocytogenes</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus fumigatus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus flavus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus niger</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus terreus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin B2	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G2	ASL-SOP-213	< 20 ug/Kg	Passed
	Ochratoxin A	ASL-SOP-213	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	ASL-SOP-400	< 0.14 ug/Kg	Passed
	Cadmium - Cd	ASL-SOP-400	< 0.09 ug/Kg	Passed
	Mercury - Hg	ASL-SOP-400	< 0.29 ug/Kg	Passed
	Lead - Pb	ASL-SOP-400	< 0.29 ug/Kg	Passed

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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (% w/w)	mg per 1.0 g unit	mg per 0.5 g unit	mg per 0.3 g unit
Cannabidiol Acid (CBD-A)	<0.01	<0.01	<0.01	<0.01
Cannabidiol (CBD)	0.27	2.70	1.35	0.81
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	77.1	771	386	231
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	2.46	24.6	12.3	7.38
Total	79.8	798	399	239
Total weight of sample	-----	1.0 g	0.5 g	0.3 g
Density = 1.02 g/mL				

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Bisabolol	0.38
Limonene	0.37
Ocimene	0.33
β -Caryophyllene	0.60



Results Approved by
Jose A. Zavaleta, Lab Director

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